

What is claimed is:

1. A snap ring for shafts or bores, which is able to be axially fixed in position by snapping it into place in a circumferential groove (32), wherein the snap ring (10) is provided with a centering member (17), which extends with radial clearance to an approximately concentrically disposed clip (11) of the snap ring (10).
2. The snap ring as recited in Claim 1, wherein the centering member (17) is designed as a centering ring having a center bore (18), which, in the case of the snap ring (10) being installed in the circumferential groove (32), is positioned approximately concentrically to the circumferential groove (32).
3. The snap ring as recited in Claim 2, wherein the centering ring (17) is joined via at least one web (16) to the clip (11) of the snap ring (10).
4. The snap ring as recited in Claim 3, wherein the snap ring (10) is designed as an internal ring for a radially inwardly open circumferential groove (32), the clip (11) encircling the centering ring (17).
5. The snap ring as recited in Claim 3, wherein the at least one web (16) is situated on the clip (11) in the region between two lugs (12, 13) located at the extremities.
6. The snap ring as recited in Claim 5, wherein located at each of the mutually opposing surfaces of the lugs (12, 13) are flat portions (12a, 13a), which are used as mutual stop faces.

7. ~~The snap ring as recited in Claim 6,~~
wherein the flat portions (12a, 13a) are aligned in parallel to radial traces (36, 37), respectively, which run through a midpoint (35) of the snap ring (10).
8. The snap ring as recited in Claim 3,
wherein the at least one web (16) is situated in the region of a lug (12, 13) located at the extremity of the snap ring.
9. The snap ring as recited in one of the preceding claims,
wherein the snap ring (10) is used for axially fixing a sealing ring (28) in position, the sealing ring (28) having at least one sealing lip (29), which is provided
~~for making contact on a shaft (23).~~